

In the Claims

Please amend claims 1-5 as follows and add claim 19.

1. (twice amended) A system for making measurements in a wellbore and communicating data representing the measurements to out of the surface wellbore comprising:
a sensor; and
a housing comprising a plurality of separable passive data receptors to which data acquired by the sensor is transferred, and which are releasable, after data transfer, from the housing.
2. (twice amended) A system according to claim 1, wherein the sensor is electrically connected to an electronic memory within each of said plurality of the separable passive data receptors which stores the acquired data, the electrical connection being broken prior to or during release of each of said plurality of separable the passive data receptors from the housing.
3. (twice amended) A system according to claim 1, wherein the system sensing apparatus further comprises an actuatable port, openable to release the separable passive data receptors.
4. (twice amended) A system according to claim 2, wherein each of said plurality of separable the passive data receptors ~~each~~ comprise a rigid casing with a sealable aperture, the casing surrounding the each electronic memory and ~~the~~ each electrical connection passing through the sealable aperture.
5. (twice amended) A system according to claim 4, wherein the sealable aperture of each rigid casing is formed by an aperture surrounded by a sealing material, with the sealing material being heat treatable within the housing so as to provide after the electrical connection is broken a fluid-tight seal which is continuous with the surface of ~~the~~ each rigid casing.

6. (previously amended) A system according to claim 1, wherein the passive data receptors are spherical.

7. (previously amended) A system according to claim 6, wherein each passive data receptor comprises two hollow metal hemispheres, joined by a plastics seal to form a sphere.

8. (previously amended) A system according to claim 1, wherein the housing and outer casings of the passive data receptors are formed from plastics material or metal.

9. (previously amended) A system according to claim 1, wherein the passive data receptors are configured to be either neutrally buoyant or buoyant, in relation to fluids within the wellbore.

10. (previously amended) A system according to claim 1, wherein the passive data receptors have a diameter in the range of 1 to 10cm.

11. (previously amended) A system according to claim 1, wherein the passive data receptors have a diameter in the range 1 to 5cm.

12. (previously amended) A system according to claim 1, wherein the data is encrypted prior to transfer to the passive data receptors.

13. (previously amended) A method of acquiring data from downhole, comprising the steps of:

placing downhole a system comprising a sensor and a number of separable passive data receptors;

making measurements using the sensor;

transferring data representing the measurements to the passive data receptors;

and

releasing the passive data receptors to carry the data from downhole to the surface.

14. (previously cancelled)

15. (previously added) A system according to claim 1 wherein the sensor is located within the housing and the sensor is adapted to make measurements while the housing descends into the wellbore.

16. (previously added) A system according to claim 15 wherein the housing is a robotic logging device.

17. (previously added) A system according to claim 16 wherein the robotic logging device is autonomously powered.

18. (previously added) A system according to claim 15 wherein the housing is attached to a wireline.

19. (new) A robotic device for communicating measurements taken in a wellbore, comprising:

 a body having a propeller and electrical components; and
 a plurality of batteries that supply electrical energy used to power the propeller.